FEI | Faith Engineering, Inc.

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July 16, 2001

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via E-Mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 2nd Quarterly Ground Water Sampling Results
6100 Isleta SW, The G&S Community Corner Site; NMED/USTB Facility ID No. 6647001 / 28207
Contract Control No. 980473
FEI Project No. 00-01-1189-05

Dear Nolan:

Please find included herewith the report for the second quarter of ground water sampling and analysis for the subject site. Ground water sampling was conducted on May 31, 2001.

This sampling event provides the sample results with field testing for an abbreviated round of 11 of the 23 ground water monitoring wells on site. During this quarter's sampling event, benzene concentrations above the NMWQCC standard of 10 µg/l were found in 4 monitoring wells; MW-10, FTW-1, FTW-2, and VM-4. Total naphthalene concentrations (including naphthalene, 1-methylnaphthalene and 2-methylnaphthalene) above the standard of 30 µg/l were found in 4 monitoring wells; MW-4, FTW-1, FTW-2 and VM-4. In addition, 0.11 inches of free product was discovered in MW-2, so this well was not sampled.

FEI recommends preparing a work plan for a Tier 2 evaluation to address the need for further remedial action at the site. Please do not hesitate to contact the undersigned if you have any questions or comments regarding this Sampling Report.

Respectfully submitted,

FAITH ENGINEERING, INC.

Stuart E. Faith, PE – President

cc. w/ encls. Mr. Tom Leck – NMED/USTB
Mr. Bill Brown - TPA

FEI FILE NUMBER 00-01-1189-05

SECOND QUARTERLY SAMPLING REPORT
THE G&S COMMUNITY CORNER SITE
6100 ISLETA BLVD. SW
ALBUQUERQUE, NEW MEXICO
FACILITY #6647001 / 28207

PREPARED BY:

STUART FAITH, P.E.
FAITH ENGINEERING, INC.
541 QUANTUM RD. NE
RIO RANCHO, NEW MEXICO 87124
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JULY 16, 2001

PREPARED FOR:

THE BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
AND
THE NEW MEXICO ENVIRONMENT DEPARTMENT
UNDERGROUND STORAGE TANK BUREAU

Table of Contents

List of Figures

List of Tables

List of Appendices

COVER PAGE
FORM 1223
QUARTERLY MONITORING REPORT

Please include the following information:

1. **Site name:** G&S Community Corner
2. **Responsible party:** Mr. Nolan Bennett
3. **Responsible party mailing address** *(list contact person if different):*

   Bernalillo County Environmental Health Dept.

   600 2nd Street NW, Suite 500

   Albuquerque, NM 87102
4. **Facility number:** 6647001/28207
5. **Address/legal description:** 6100 Isleta Blvd. SW

   Albuquerque, NM
6. **Author/consulting company:** Faith Engineering, Inc.
7. **Date of report:** 07/16/2001
8. **Date of confirmation of release or date USTB was notified of the release:**

   1988

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:_____

Name: Stuart Faith

Affiliation: Faith Engineering, Inc.

Title: President

Certified Scientist #: 080

Date:_____

I. INTRODUCTION:

I. A. Scope of Work

Faith Engineering, Inc. (FEI), in collaboration with Tecumseh Professional Associates, Inc. (TPA), has been retained by the Bernalillo County Environmental Health Department to provide professional environmental services at the G&S Community Corner (G&S) site, 6100 Isleta SW, Albuquerque, New Mexico (the Site). The location of the Site is shown on Figure 1. This report documents the second quarter of ground water sampling conducted at the site on June 1, 2001. The period covered in this report is from December 2000 to May 2001.

I. B. This quarter's highlights

This sampling event represents the second quarter of ground water quality re-examination as outlined in the work plan approval letter dated December 8, 1999, as amended on March 17, 2000 and again on November 17, 2000. The sampling event provides the sample results with field testing for an abbreviated round of 11 of the 23 ground water monitoring wells on site. A Hydrogeologic Investigation (See "Former G&S Community Corner Site Hydrogeologic Investigation" dated May 3, 2001) was also performed and reported during this quarter to better characterize the current subsurface hydrogeologic regime and the vertical and horizontal extent of soil and groundwater impacts at the Site following remedial efforts.

II. ACTIVITIES PERFORMED DURING THIS QUARTER:

II. A. Brief description of the remediation system and date installed

In early 1992, the New Mexico Environmental Department (NMED) placed this Site on its list of state-lead Groundwater Protection Act (GWPA) sites. Groundwater Technology, Inc. (GTI) was retained by the NMED to complete investigation activities started earlier and install a remediation system. Between 1992 and 1994, GTI installed additional monitoring wells to those installed in earlier investigations at the Site. In 1995, GTI designed and installed an in-situ high vacuum extraction (HVE) reclamation system at the Site consisting of six extraction wells manifolded via underground piping to a liquid-ring vacuum pump, liquid-phase GAC treatment canisters, an oil-water separator, and a catalytic oxidizer. Treated vapors were discharged to the atmosphere; treated groundwater was re-injected to non-impacted groundwater via an infiltration gallery located to the southeast of the on-site building. The system reportedly operated between August 1995 and April 1996 and removed an estimated 760 lbs/120 gallons of hydrocarbons via physical extraction.

II. B. Description of activities performed to keep system operating properly

None. The system was shut down in 1996 after only 28 pounds of hydrocarbons were removed during the final quarter of system operation.

II. C. Monitoring activities performed

Ground water monitoring and sampling at the Site during this quarter took place on June 1, 2001. This quarter's sampling included the following:

- *ground water elevation measurements in all wells.*
- *quarterly event ground water sampling of monitor wells MW-1, MW-3, MW-4, MW-10, VM-1, VM-4, VM-5, HV-3, ASVP, FTW-1, and FTW-2.*
- *laboratory analysis of ground water samples for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methynaphthalene and 2-Methylnaphthalene by EPA Method 8260 (expanded napthalenes).*
- *field testing for natural attenuation indicators of ground water samples, including iron, phosphate, sulfide, nitrate, alkalinity, pH, dissolved oxygen, conductivity, and temperature.*

The locations of all monitor wells are shown on Figure 1. Monitoring and sampling procedures are described in Appendix 1. Table 4 provides a historical summary of field activities at the site and Appendix 2 contains this quarter's original Field Activity Logs. The laboratory results of the ground water analyses for the current monitoring period are shown on Table 1. Historic ground water sampling results are shown on Table 2. Laboratory reports and the Chain of Custody Form are provided in Appendix 3.

This sampling event provides the sample results with field testing for an abbreviated round of 11 of the 23 ground water monitoring wells on site. During this quarter's sampling event, benzene concentrations above the NMWQCC standard of 10 µg/l were found in 4 monitoring wells; MW-10 (11 µg/l), FTW-1 (31 µg/l), FTW-2 (41 µg/l), and VM-4 (38 µg/l). Total naphthalene concentrations (including naphthalene, 1-methylnaphthalene and 2-methylnaphthalene) above the standard of 30 µg/l were found in 4 monitoring wells; MW-4 (340 µg/l), FTW-1 (86 µg/l), FTW-2 (249 µg/l) and VM-4 (230 µg/l). In addition, 0.11 inches of free product was discovered in MW-2, so this well was not sampled. A total BTEX summary and contour map for the second quarter ground water analysis are shown on Figure 1. In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total Xylenes and Naphthalene (see Appendix 1).

Depth to ground water during this quarter's sampling event varied from 6.47 feet below ground surface (bgs) in well FTW-3 to 8.04 feet bgs in well MW-4. All ground water elevation data including the historical data is summarized in Table 3. This quarter's measurements of on-site ground water elevations indicate a defined directional flow in a south-southwesterly orientation. A water elevation summary and directional flow map for the second quarter ground water measurements are shown on Figure 2.

II. D. System performance and effectiveness

Not Applicable, See II. A. and B.

II. E. Statement verifying containment of release

Based on ground water sample results from site perimeter monitor wells and the recently completed Hydrogeologic Investigation, containment of off-site ground water contaminants cannot be assured at the G&S Community Corner Site under present conditions. High levels of dissolved phase hydrocarbons in the ground water extend off-site and are within the highway easement to the east of the site. Please refer to Figure 1. There is no evidence to suggest other off-site, up-gradient sources of contaminant for the elevated BTEX concentration levels.

III. SUMMARY AND CONCLUSIONS:

III. A. Discussion of trends or changes noted in analytical results or site conditions

Laboratory results obtained during this second quarter sampling event and the Hydrogeologic Investigation indicate that BTEX concentrations in the ground water extend beyond the highway easement to the east and are above the NMWQCC standards for these compounds. Naphthalene concentrations are also above the NMWQCC standard of 30 µg/l in monitoring wells MW-4, FTW-1, FTW-2 and VM-4 at the site.

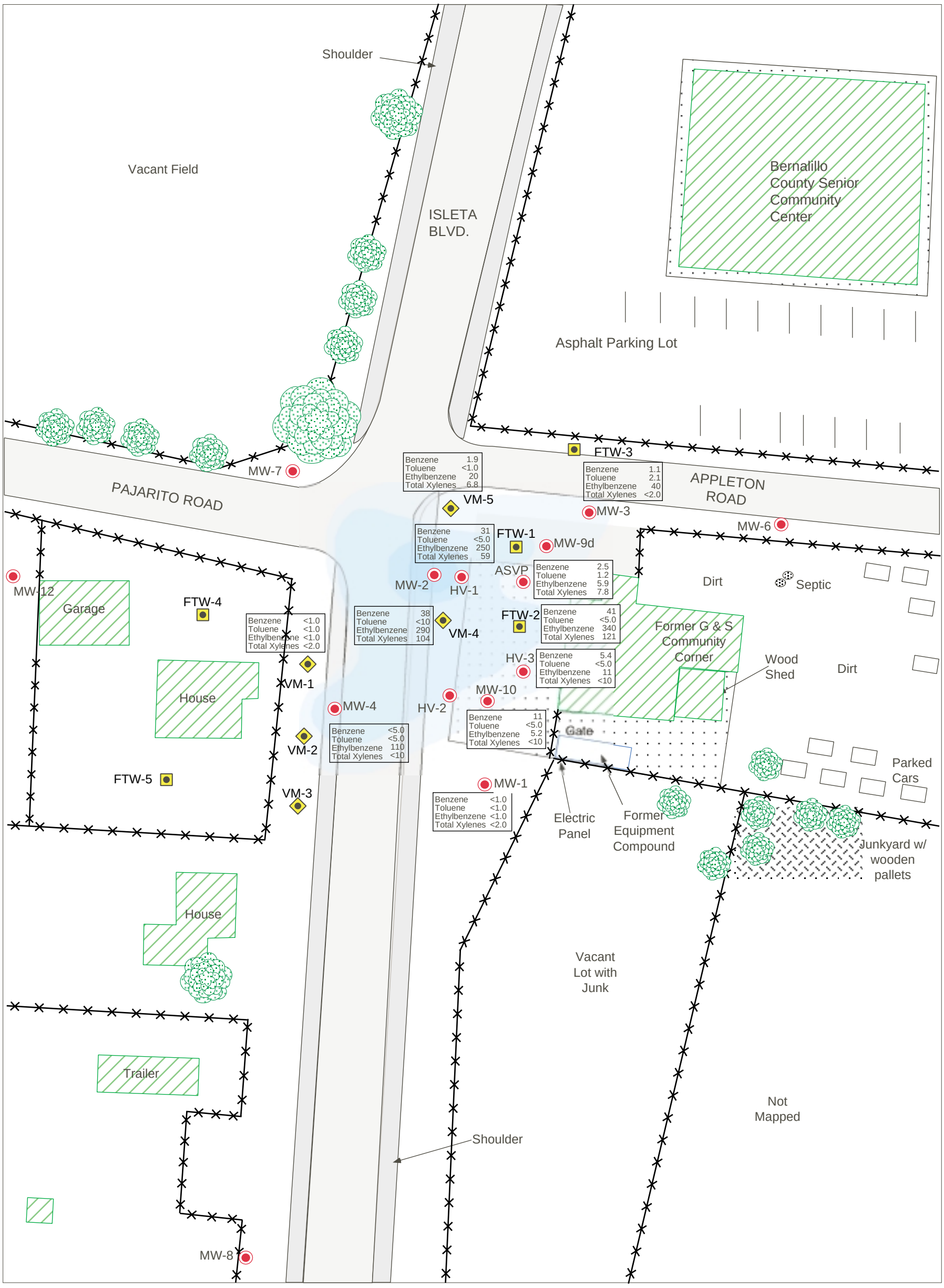
These results also indicate that the contaminant plume may be characterized as an older and weathered petroleum release.

III. B. Ongoing assessment of the remediation system

Not Applicable, See II. A. and B.

III. C. Recommendations

FEI recommends continuing site monitoring and sampling pursuant to the work plan approval letter dated November 11, 1999, as amended to change the report submission dates. FEI also recommends conducting a Tier Two RBCA evaluation to determine future actions. The next quarterly sampling report will be submitted on or about August 15, 2001.



LEGEND

- New 4" Diameter VE/Monitor Well
- New 2" Diameter Monitor Well
- Existing Monitor Well Location
- Building
- Concrete
- Asphalt
- Fence Line
- Trees/Vegetation

BTEX Concentration Levels and Plume

Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<2.0

10 -100 ppb
100 -1,000 ppb
1,000-10,000 ppb
>10,000 ppb

N

0 20 40ft
Scale

Former G&S Community Corner
6100 Isleta Blvd. SW
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TECUMSEH Professional Associates, Inc.
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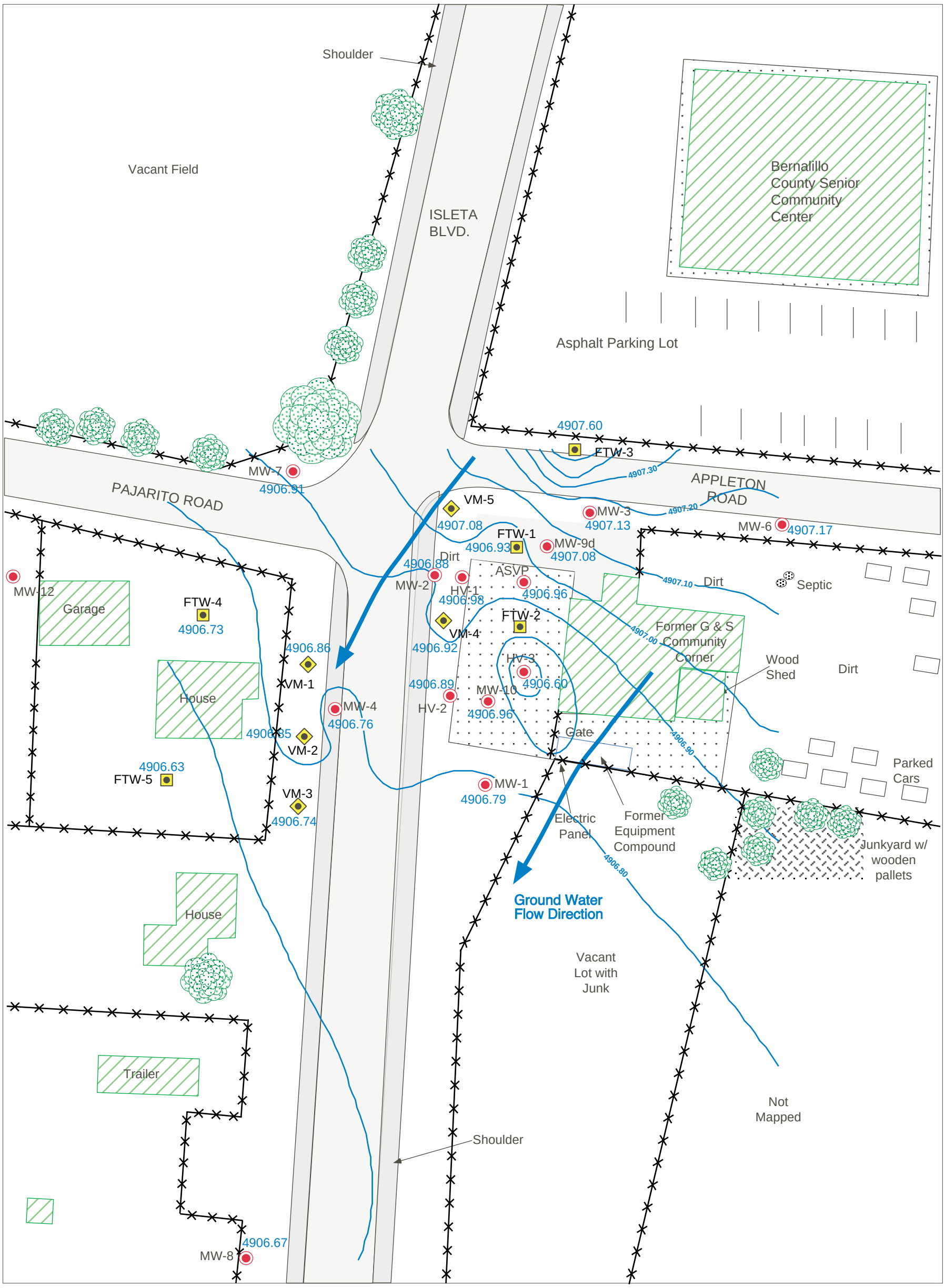
Subject: Site Map and BTEX Concentration Levels		
Drawn by: KGF/WJB	Client: BCEHD	
Date : July 2001	Figure: 1	Project: 99-01-1189



LEGEND

- New 4" Diameter VE/Monitor Well
- New 2" Diameter Monitor Well
- Existing Monitor Well Location
- Building
- Concrete
- Asphalt
- Fence Line
- Trees/Vegetation
- Ground Water Contour 0.10 ft Intervals
- 4933.15 Ground Water Elevations

N

0 20 40ft
Scale

Former G&S Community Corner
6100 Isleta Blvd. SW
Albuquerque, New Mexico

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Subject: Ground WaterContour Map		
Drawn by: KGF/WJB	Client: BCEHD	
Date : July 2001	Figure: 2	Project: 99-01-1189

TABLE 1
G & S Communtiy • 6100 Isleta
00-01-1189-05 • NMED FACILITY #28207
CURRENT GROUND WATER ANALYSIS RESULTS

		ORGANICS																	INDICATORS		
LOCATION	DATE SAMPLED	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS O2	NITRATE	pH	CONDUCTIVITY	TEMP
UNITS		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	µg/l			TOTAL mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
STANDARDS		10	750	750	620	100	0.1	10		30											
MW-1	6/1/01	< 1.0	< 1.0	< 1.0	< 2.0	13	< 1.0	1.9	< 2.0	< 1.0	< 5.0	< 5.0	3.0	2.0	0.0	550	3.0	0.1	*	1937	19.7
VM-5	6/1/01	1.9	< 1.0	20	6.8^	< 1.0	< 1.0	< 1.0	23	11	5.0	< 5.0	T	T	T	T	T	T	*	1358	20.9
MW-3	6/1/01	1.1	2.1	40	<2.0	< 1.0	< 1.0	< 1.0	2.6^	1.2	7.7	< 5.0	2.0	3.0	0.0	600	1.0	0.6	*	2088	22.7
MW-4	6/1/01	< 5.0	< 5.0	110	<10.0	< 5.0	< 5.0	< 5.0	160	**38**	**250**	**52**	0.2	2.0	0.4	600	1.0	1.0	*	2480	23.5
MW-10	6/1/01	**11**	< 5.0	5.2	<10.0	35	< 5.0	< 5.0	<10.0	< 5.0	< 25	< 25	2.0	2.0	0.0	500	2.0	1.0	*	1318	25.7
HV-3	6/1/01	5.4	< 5.0	11	<10.0	< 5.0	< 5.0	< 5.0	<10.0	6.1	< 25	< 25	1.0	2.0	0.0	500	2.0	1.0	*	2549	23.3
FTW-1	6/1/01	**31**	< 5.0	250	59^	< 5.0	< 5.0	< 5.0	146	**36**	**< 25**	**< 25**	2.0	3.0	0.0	650	0.5	0.2	*	2500	20.4
FTW-2	6/1/01	**41**	< 5.0	340	121	28	< 5.0	< 5.0	1130	**170**	**79**	**< 25**	4.0	1.0	0.0	600	2.0	0.6	*	1990	25.2
VM-1	6/1/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	3.2	<2.0	< 1.0	< 5.0	< 5.0	0.4	2.0	0.0	550	1.0	0.8	*	1958	20.5
VM-4	6/1/01	**38**	< 10	290	104^	< 10	< 10	< 10	333	**130**	**< 50**	**< 50**	2.0	2.0	0.0	600	2.0	1.5	*	2269	23.4
ASVP	6/1/01	2.5	1.2	5.9	7.8	< 1.0	< 1.0	< 1.0	7.8	2.9	< 5.0	< 5.0	4.0	2.0	0.0	500	2.0	1.0	*	2874	24.6
TRIP BLANK	5/30/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 5.0	< 5.0	*	*	*	*	*	*	*	*	*

T - Water turbidity prevented correct reading
^ - Refer to Appendix 1
* - Not tested
Data checked _____ / _____

Faith Engineering, Inc
7/19/01

TABLE 2
G & S Community • 6100 Isleta
00-01-1189-05 • NMED FACILITY #28207
HISTORY OF GROUND WATER TESTING

		ORGANICS											INORGANICS							INDICATORS		
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON		PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS O2	NITRATE	pH	CONDUCTIVITY	TEMP
UNITS STANDARDS		µg/l 10	µg/l 750	µg/l 750	µg/l 620	µg/l 100	µg/l 0.1	ug/l 10	µg/l	ug/l 30			SOLUBLE mg/l	TOTAL mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
MW-1	12/18/90	nd	nd	*	0.5	nd	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	5/30/91	nd	0.5	nd	nd	nd	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	9/19/00	<1.0	<1.0	<1.0	<2.0	12	<1.0	3.1	<2.0	<1.0	*	*	0.1	0.1	0.0	0.0	500	5.0	0.8	6.9	2070	24.0
	6/1/01	<1.0	<1.0	<1.0	<2.0	13	<1.0	1.9	<2.0	<1.0	<5.0	<5.0	*	3.0	2.0	0.0	550	3.0	0.1	*	1937	19.7
MW-3	9/20/00	<1.0	<1.0	5	<3.3	<1.0	<1.0	< 1.0	<2.6	<1.0	*	*	2.0	2.0	1.0	0.1	550	2.0	1.0	7.17	3009	26.1
	6/1/01	1.1	2.1	40	<2.0	<1.0	<1.0	<1.0	2.6^	1.2	7.7	<5.0	*	2.0	3.0	0.0	600	1.0	0.6	*	2088	22.7
MW-4	9/20/00	<5.0	<5.0	140	<20	< 5.0	< 5.0	< 5.0	<75	**34**	*	*	0.2	0.2	0.1	0.0	600	0.5	1.0	6.98	3115	27.4
	6/1/01	<5.0	<5.0	110	<10.0	<5.0	<5.0	<5.0	160	**38**	**250**	**52**	*	0.2	2.0	0.4	600	1.0	1.0	*	2480	23.5
MW-6	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	*	*	0.2	0.3	1.5	0.0	600	3.0	1.5	7.47	3385	27.6
MW-7	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	1.4	<2.0	<1.0	*	*	1.0	1.5	0.6	0.0	600	2.0	1.0	7.07	2375	24.3
MW-8	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	*	*	0.0	0.1	0.3	0.0	350	2.0	4.5	7.02	3603	23.4
MW-9D	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	*	*	0.1	0.2	0.6	0.0	400	1.0	1.0	7.35	2064	21.2
MW-10	9/19/00	7.1	<1.0	<1.0	<2.0	**120**	<1.0	6.7	<2.0	<1.0	*	*	1.5	1.5	4.0	0.0	600	3.0	1.0	7.1	2740	24.4
	6/1/01	**11**	<5.0	5.2	<10.0	35	<5.0	<5.0	<10.0	<5.0	<25	<25	*	2.0	2.0	0.0	500	2.0	1.0	*	1318	25.7
HV-1	9/19/00	<5.0	7.2	240	280	<5.0	<5.0	1.4	146	71	*	*	1.5	4.0	2.0	0.1	600	0.5	0.6	7.26	3288	24.7
HV-2	9/19/00	<1.0	<1.0	<1.0	<2.0	17	<1.0	**26**	<2.0	<1.0	*	*	1.0	4.0	1.5	0.0	550	1.0	0.4	7.05	2496	24.5
HV-3	9/19/00	1.5	<1.0	2.7	<4.4	1.1	<1.0	<1.0	<2.0	<1.0	*	*	0.6	0.6	0.6	0.0	600	2.0	0.8	7.1	2690	24.9
	6/1/01	5.4	<5.0	11	<10.0	<5.0	<5.0	<5.0	<10.0	6.1	<25	<25	*	1.0	2.0	0.0	500	2.0	1.0	*	2549	23.3

TABLE 2
G & S Community • 6100 Isleta
00-01-1189-05 • NMED FACILITY #28207
HISTORY OF GROUND WATER TESTING

		ORGANICS											INORGANICS							INDICATORS		
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON		PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS O2	NITRATE	pH	CONDUCTIVITY	TEMP
UNITS		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	ug/l			SOLUBLE	TOTAL	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
STANDARDS		10	750	750	620	100	0.1	10		30			mg/l	mg/l								
FTW-1	3/22/01	**29**	1.2	140	118.8	< 1.0	< 1.0	< 1.0	99	21	*	*	3.0	4.0	1.0	0.8	350	3.5	1.5	7.48	293	15.3
	6/1/01	**31**	< 5.0	250	59^	< 5.0	< 5.0	< 5.0	146	**36**	< 25	< 25	*	2.0	3.0	0.0	650	0.5	0.2	*	2500	20.4
FTW-2	3/22/01	**130**	45	650	**1960**	19.0	< 5.0	< 5.0	1070	**180**	*	*	0.4	1.0	0.6	7.0	550	4.0	0.6	7.81	172.3	17.3
	6/1/01	**41**	< 5.0	340	121	28	< 5.0	< 5.0	1130	**170**	**79**	< 25	*	4.0	1.0	0.0	600	2.0	0.6	*	1990	25.2
FTW-3	3/22/01	1.0	< 1.0	11.0	3.1	< 1.0	< 1.0	< 1.0	1.3	4.1	*	*	1.0	1.0	1.0	1.0	400	3.0	1.0	8.00	185	17.9
FTW-4	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	2.0	3.0	4.0	2.0	550	4.0	2.5	7.64	231	15.1
FTW-5	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.8	1.0	1.5	0.0	250	3.0	2.5	7.49	279	19.2
VM-1	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	1.0	1.5	1.0	8.0	550	3.0	2.0	7.48	268	14.2
	6/1/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	3.2	<2.0	< 1.0	< 5.0	< 5.0	*	0.4	2.0	0.0	550	1.0	0.8	*	1958	20.5
VM-2	3/22/01	< 1.0	< 1.0	1.2	1.6	< 1.0	< 1.0	4.3	< 2.0	< 1.0	*	*	4.0	4.0	5.0	2.0	550	4.0	1.0	7.85	156.2	16.4
VM-3	3/22/01	1.3	1.2	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	1.5	2.0	8.0	4.0	550	3.0	1.5	7.63	233	15.1
VM-4	3/22/01	**67**	1.6	250	34.9	2.9	< 1.0	**21**	121	**62**	*	*	T	T	T	T	T	T	T	7.60	264	16.5
	6/1/01	**38**	< 10	290	104^	< 10	< 10	< 10	333	**130**	< 50	< 50	*	2.0	2.0	0.0	600	2.0	1.5	*	2269	23.4
VM-5	3/22/01	2.5	1.1	14.0	7.3	< 1.0	< 1.0	< 1.0	36.9	7.7	*	*	T	T	T	T	T	T	T	7.69	302	17.4
	6/1/01	1.9	< 1.0	20	6.8^	< 1.0	< 1.0	< 1.0	23	11	5.0	< 5.0	T	T	T	T	T	T	T	*	1358	20.9
ASVP	9/19/00	4.4	<1.0	10	<3.7	<1.0	<1.0	2.1	19.6	5.7	*	*	*	3.0	0.0	0.0	600	2.0	0.8	7.31	2690	24.9
	6/1/01	2.5	1.2	5.9	7.8	< 1.0	< 1.0	< 1.0	7.8	2.9	< 5.0	< 5.0	*	4.0	2.0	0.0	500	2.0	1.0	*	2874	24.6

^ - Refer to Appendix 1

T - Sample turbidity prevented correct reading

nd - non detect

* - not tested

Data checked _____ / _____

TABLE 3
00-01-1189-01 • G&S Community • 6100 Isleta
NMED FACILITY #28207
SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL NUMBER	ELEVATION (feet above datum)	DATE	STATIC (feet BG)	WATER LEVEL (feet AD)	(+) = RISING (-) = FALLING
MW-1	4914.49	9/19/00	7.75	4906.74	
		6/1/01	7.70	4906.79	-0.05
MW-2	4914.58	9/20/00	7.60	4906.98	
		6/1/01	7.70	4906.88	-0.10
MW-3	4914.36	9/20/00	7.07	4907.29	
		6/1/01	7.23	4907.13	0.16
MW-4	4914.80	9/20/00	7.84	4906.96	
		6/1/01	8.04	4906.76	0.20
MW-6	4914.27	9/19/00	6.94	4907.33	
		6/1/01	7.10	4907.17	0.16
MW-7	4914.37	9/20/00	7.37	4907.00	
		6/1/01	7.46	4906.91	0.09
MW-8	4913.68	9/19/00	7.91	4905.77	
		6/1/01	7.01	4906.67	-0.90
MW-9d	4914.21	9/19/00	6.97	4907.24	
		6/1/01	7.13	4907.08	0.16
MW-10	4914.16	9/19/00	7.15	4907.01	
		6/1/01	7.20	4906.96	0.05
HV-1	4914.06	9/19/00	6.81	4907.25	
		6/1/01	7.08	4906.98	0.27
HV-2	4914.13	9/19/00	7.11	4907.02	
		6/1/01	7.24	4906.89	0.13
HV-3	4914.18	9/19/00	7.37	4906.81	
		6/1/01	7.58	4906.60	0.21
ASVP	4914.48	9/19/00	7.74	4906.74	
		6/1/01	7.52	4906.96	-0.22

TABLE 3
00-01-1189-01 • G&S Community • 6100 Isleta
NMED FACILITY #28207
SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL NUMBER	ELEVATION (feet above datum)	DATE	STATIC (feet BG)	WATER LEVEL (feet AD)	(+) = RISING (-) = FALLING
FTW-1	4914.31	3/22/01	8.07	4906.24	
		6/1/01	7.38	4906.93	0.69
FTW-2	4914.40	3/22/01	8.08	4906.32	
		6/1/01	7.59	4906.81	0.49
FTW-3	4914.07	3/22/01	7.68	4906.39	
		6/1/01	6.47	4907.60	1.21
FTW-4	4914.11	3/22/01	7.71	4906.40	
		6/1/01	7.38	4906.73	0.33
FTW-5	4913.32	3/22/01	6.99	4906.33	
		6/1/01	6.69	4906.63	0.30
VM-1	4914.15	3/22/01	7.80	4906.35	
		6/1/01	7.29	4906.86	0.51
VM-2	4914.46	3/22/01	8.14	4906.32	
		6/1/01	7.61	4906.85	0.53
VM-3	4914.33	3/22/01	7.98	4906.35	
		6/1/01	7.59	4906.74	0.39
VM-4	4914.40	3/22/01	8.10	4906.30	
		6/1/01	7.48	4906.92	0.62
VM-5	4914.37	3/22/01	8.06	4906.31	
		6/1/01	7.29	4907.08	0.77

Data checked _____ / _____

Table 4
G & S Community • 6100 Isleta
00-01-1189-03 - NMED Facility #28207
Summary of Tasks Performed in the Field

DATE	FIELD TECH.	DESCRIPTION
9/19/00-9/20/00	KGF, MB	Initial sampling round(1st Qtr)-all existing wells, site survey.
2/12/01-2/14/01	BB, SG	Drilling and soil samples on site.
6/1/01	MB, KL	2nd quarter sampling

Data checked _____ / _____

APPENDIX 1

Sampling Protocol

Prior to any sampling, well development or purging, all monitor wells were sounded for depth to ground water. FEI used an electronic sounder with an accuracy of ±0.01/foot. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation.

Prior to any sampling event, a minimum of three (3) well bore volumes were purged from each well using a Grundfos Sampling Pump. Samples were collected in HCl preserved VOAs and placed on ice in a container for delivery to Pinnacle Laboratories, in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methylnaphthalene and 2-Methylnaphthalene by EPA Method 8260 (expanded napthalenes). Natural attenuation indicator parameters Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate were analyzed and measured in the field using the appropriate field test kits and equipment. All EPA-approved sampling protocols were observed and a chain of custody was maintained on all samples.

In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total xylenes. Detection limit values in a multi-component compound that are reported as below detection limits and are less than 10 percent of the lowest detectable value will not be added-in as part of the total concentration value reported. Detection limit values greater than 10 percent of the lowest detectable value will be added-in as part of the total concentration value reported. This will eliminate confusion regarding the “less-than” symbols where concentrations have been detected.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports